



RESOURCE
CONSERVATION DISTRICT
OF THE
SANTA MONICA MOUNTAINS

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818.597.8627
818.597.8630
info@rcdsmm.org

phone
fax

540 S. Topanga Canyon Blvd., Topanga, CA 90290

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September 22, 2016

Commissioners
Los Angeles County Fish and Game Commission
500 West Temple Street, Room B-50
Los Angeles, CA 90012

Re: Water Temperature Profile: Los Angeles River

EXECUTIVE OFFICER
Clark Stevens

Dear Commissioners,

On October 15th we will remove temperature loggers from 10 monitoring sites along the Los Angeles River, successfully concluding our first field season of the L.A. River thermal profile study. The project objective is to capture a detailed summer thermal profile of the entire L.A. River watershed to better understand one of the major limiting factors for recovery of native fish in the basin—summer/fall water temperature. Funding provided by the LA County Fish & Game Commission went towards project equipment that allowed the RCDSMM and partners to coordinate citizen-science based monitoring of temperature conditions at ten sites along the L.A. River, to determine thermal suitability for fish habitat restoration in coming years.

With funds allocated we ordered the following equipment:

10 Temperature recording 'HOBOS'	1,330.00
2 HOBO data transfer shuttles	498.00
3 waterproof cameras	599.85
1 hand-held GPS unit	333.83
Shipping Costs	21.35
Total expense	\$2,783.03

A total of seven partner organizations (Trout Unlimited-South Coast Chapter, Friends of the L.A. River, Heal the Bay, Arroyo Seco Foundation, Council for Watershed Health, CalState L.A., and UC Cooperative Extension) and about 15 volunteers participated in Year 1 of the study.

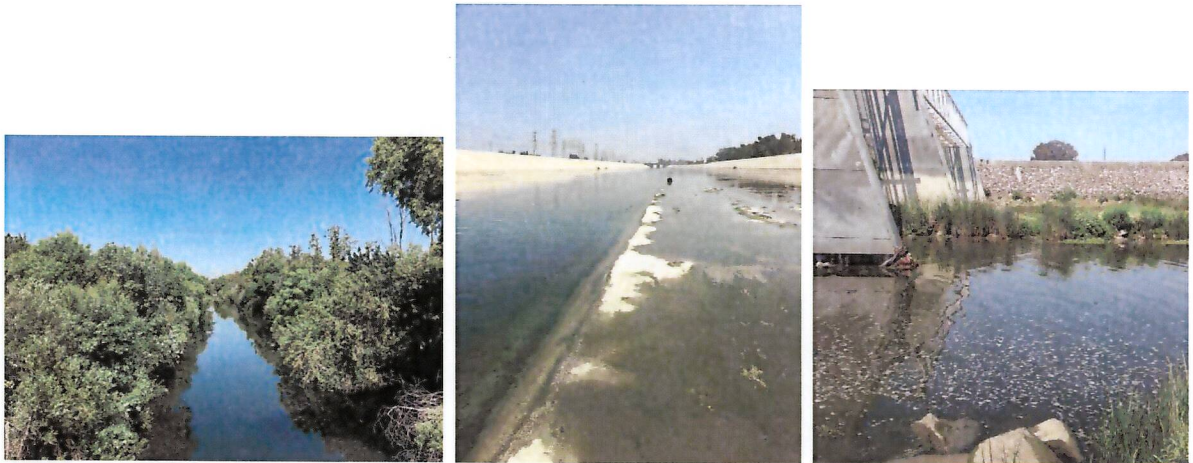
Unfortunately, some of the HOBOS were lost early on in the study due to vandalism where they were visible at some selected locations (L.A. State Historic Park, for example). This was a hard but necessary lesson to learn, as now we have better strategies in place for selecting locations and installation practice that lower the risk of vandalism in future years. All other equipment has been maintained in excellent condition and will be used again in years 2, 3 and beyond.

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LOS ANGELES COUNTY

Thank you for your continued support of our efforts to keep the water healthy and fish happy. Attached are photos of the equipment in place, some of our citizen scientists engaging in the study, and graphs showing some very preliminary results.

Sincerely,

Elizabeth Montgomery
Field Biologist, Resource Conservation District SMM



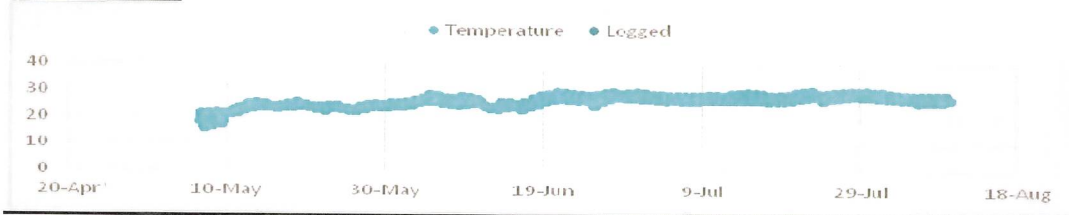
A few project sites, Balboa Bridge (left), DeForest Park (center), and Willow St. Bridge (right)



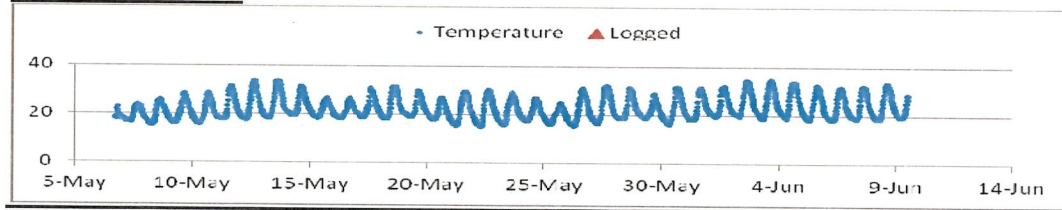
Arroyo Seco Foundation group leader deploying a temperature logger

Preliminary results:

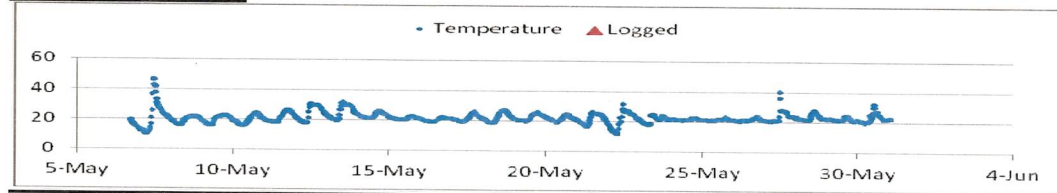
2C Burbank



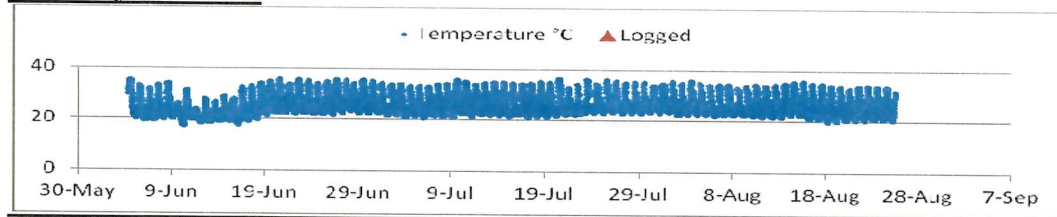
3E Atwater Park



3G Bowtie Parcel



4D Hollydale Park



6B Willow Street Soft-bottom

